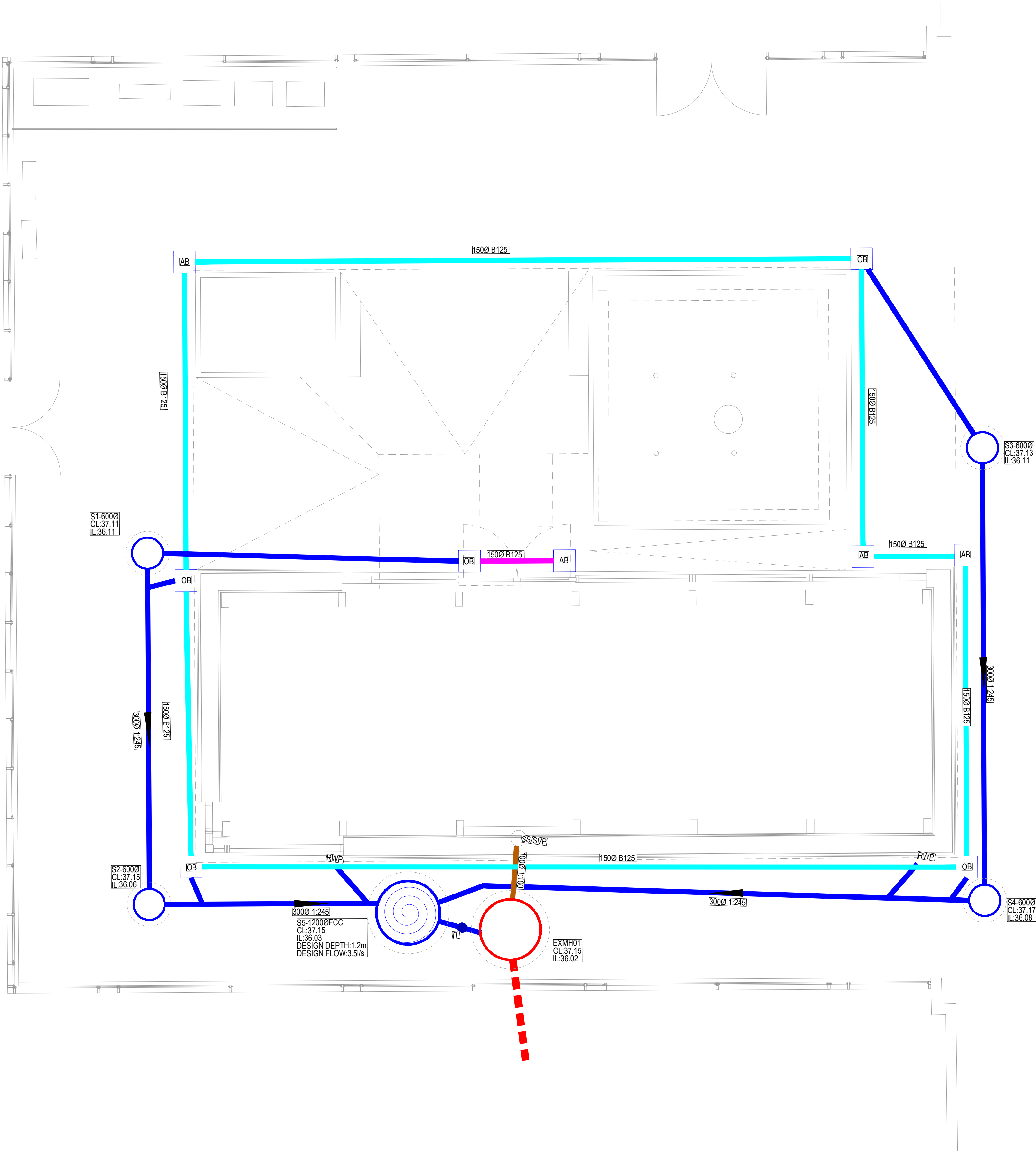
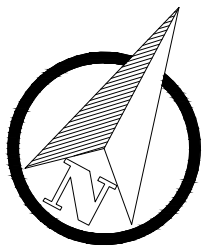




DESIGN PHILOSOPHY

SURFACE WATER DESIGN
THE DESIGN PROVIDES CAPACITY UP TO THE 100 YEAR + 45% CLIMATE CHANGE EVENT.
SW FLOW RATE:3.5L/S (BASED ON MINIMUM 75MM ORIFICE ON THE HYDROBRAKE IN LINE WITH BUILDING REGULATIONS PART H)
APPROXIMATE STORAGE REQUIREMENT: 7.1M³ WITHIN THE PIPED NETWORK
OUTFALL: TO THE EXISTING MANHOLE WITHIN THE SITE (EXMH1)
LEVELS INDICATE THAT PUMPING WILL NOT BE REQUIRED. TBC FOLLOWING FURTHER DESIGN AND SURVEY WORK.
POLLUTION TREATMENT: N/A
SUSTAINABLE DRAINAGE: TREE PITS
INFILTRATION IS NOT CONSIDERED APPROPRIATE FOR THIS SCHEME. TESTING TO BRE DIGEST 365 ARE REQUIRED TO CONFIRM INFILTRATION RATES FOR DESIGN.

FOUL WATER DESIGN
FW PEAK FLOW RATE:0.4L/S
OUTFALL: TO THE EXISTING MANHOLE WITHIN THE SITE (EXMH1)
LEVELS INDICATE THAT PUMPING WILL NOT BE REQUIRED. TBC FOLLOWING FURTHER DESIGN AND SURVEY WORK.

- KEY**
- EXISTING PRIVATE COMBINED WATER DRAINAGE
 - PROPOSED SURFACE WATER DRAINAGE
 - PROPOSED FOUL WATER DRAINAGE
 - PROPOSED LINEAR (SLOT) DRAINAGE CHANNEL GATIC CASTSLOT. TBC BY MANUFACTURER
 - PROPOSED LINEAR (SLOT) DRAINAGE CHANNEL GATIC CASTSLOT FACADE TYPE. TBC BY MANUFACTURER
 - PROPOSED LINEAR DRAIN ACCESS BOX
 - PROPOSED LINEAR DRAIN OUTLET BOX
 - PROPOSED TREE PIT OUTLET
 - PROPOSED FLOW CONTROL CHAMBER
 - INTERCEPTOR TRAP

GENERAL NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
- DESIGN BASED ON TOPOGRAPHICAL SURVEY AND CCTV SURVEY INFORMATION AVAILABLE AT THE TIME OF DESIGN.
- ALL EXISTING SEWERS, CONNECTIONS, PIPE SIZES AND INVERT LEVELS TO BE CONFIRMED BY CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS TO ENSURE CONNECTIVITY. ANY VARIANCE FROM THE INFORMATION SHOWN SHOULD BE REPORTED TO THE ENGINEER FOR REVIEW.
- DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
- ALL DIMENSIONS ARE IN METRES AND LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS OTHERWISE NOTED.
- WHERE EXISTING DRAINAGE IS BEING USED, ALLOWANCES SHOULD BE MADE TO REMEDIATE THIS DRAINAGE IN LINE WITH AVAILABLE CCTV SURVEY INFORMATION. IF NO SURVEY IS AVAILABLE, IT IS ADVISED TO OBTAIN ONE PRIOR TO COMMENCEMENT OF WORKS.
- ALL EXISTING SERVICES TO BE LOCATED PRIOR TO COMMENCEMENT OF ANY DRAINAGE WORKS, AND WHERE NECESSARY PROTECTION OR DIVERSIONS TO BE UNDERTAKEN TO AVOID CONFLICT WITH THE PROPOSED WORK.
- ALL RAINWATER AND FOUL POP UPS LOCATIONS AND SIZES INDICATIVE ONLY AND TO BE CONFIRMED BY THE ARCHITECT AND M&E ENGINEER.
- COVER LEVELS, GULLY POSITIONS, AND BUILDINGS LOCATION ARE APPROXIMATE AND SHALL BE CONFIRMED BY ARCHITECT/ LANDSCAPE ARCHITECT.
- ALL PIPE DIAMETERS GIVEN ARE NOMINAL INTERNAL PIPE DIAMETERS. THESE ARE TO BE CONFIRMED ONCE A DETAILED CAPACITY CHECK HAS BEEN UNDERTAKEN AT A LATER DESIGN STAGE.
- OUTFALL CONNECTION(S) SUBJECT TO AGREEMENT WITH THE APPROVING AUTHORITY.
- CHANNEL LOCATIONS ARE INDICATIVE AT THIS STAGE AND SUBJECT TO FINAL GROUND LEVEL DESIGN.

DRAWING BASED ON:

- TOPOGRAPHICAL SURVEY**
- LAYERSERV0001872 RECEIVED 18.08.23
- SITE LAYOUT**
- MF-BA-90-100-D-A-0 RECEIVED 17.10.23
- CCTV SURVEY**
- TEAM DRAINAGE SURVEY RECEIVED 25.08.23
- GPR SURVEY**
- LAYERSERV0001872_U RECEIVED 18.08.23
- REQUIRED INFORMATION**
- BUILDING FOUNDATIONS

P04	UPDATED TO SUITE LATEST LANDSCAPE PLAN	24/10/23	JC	CS
P03	PLANNING UPDATED	11/10/23	EBR	CS
P02	ARCHITECTS LAYOUT UPDATED	11/10/23	EBR	CS
P01	ISSUED FOR PLANNING	29/09/23	CS	AR

Rev:	Description:	Date:	By:	Chkd:
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Status:		PLANNING	
Project: ROBOTICS LIVING LABORATORY PHASE 2			
Orig Title: DRAINAGE LAYOUT			
Drawn By CS		Designed By CS	
Date 19/09/23		Checked By AR	
Scales @ A1 1:20		Revision	
Project No - Originator - Function - Spatial - Form - Discipline - Number		Revision	
00412 - CUR - XX - XX - D - C - 92500		P04	

